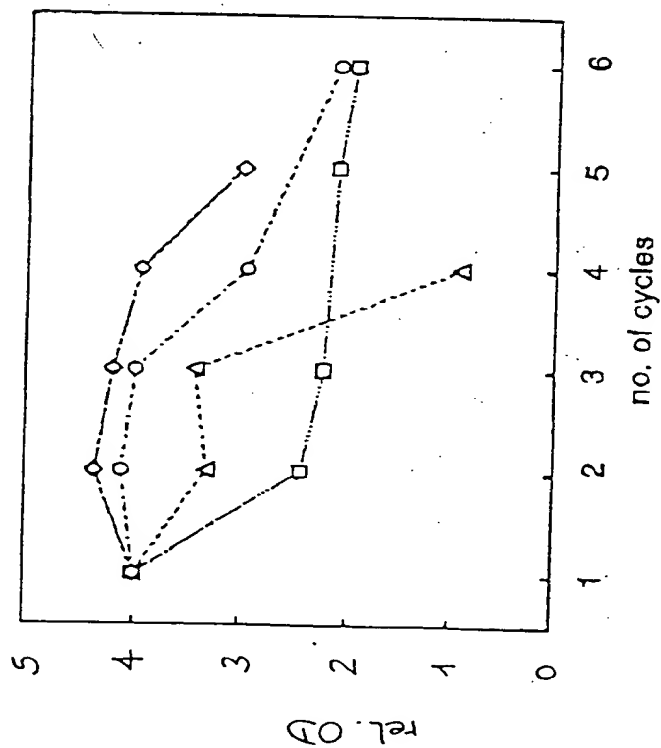


Figure 1

A.



B.

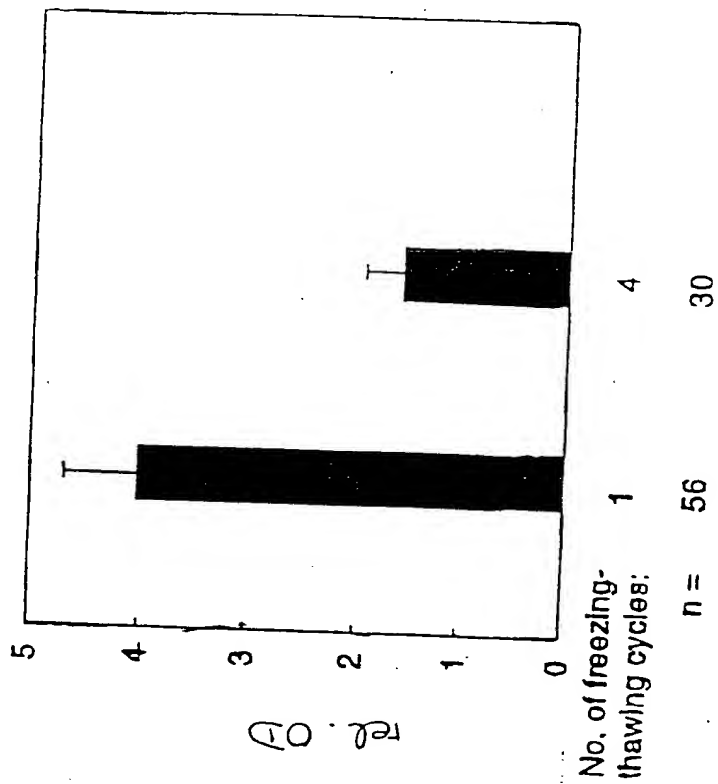


Figure 2

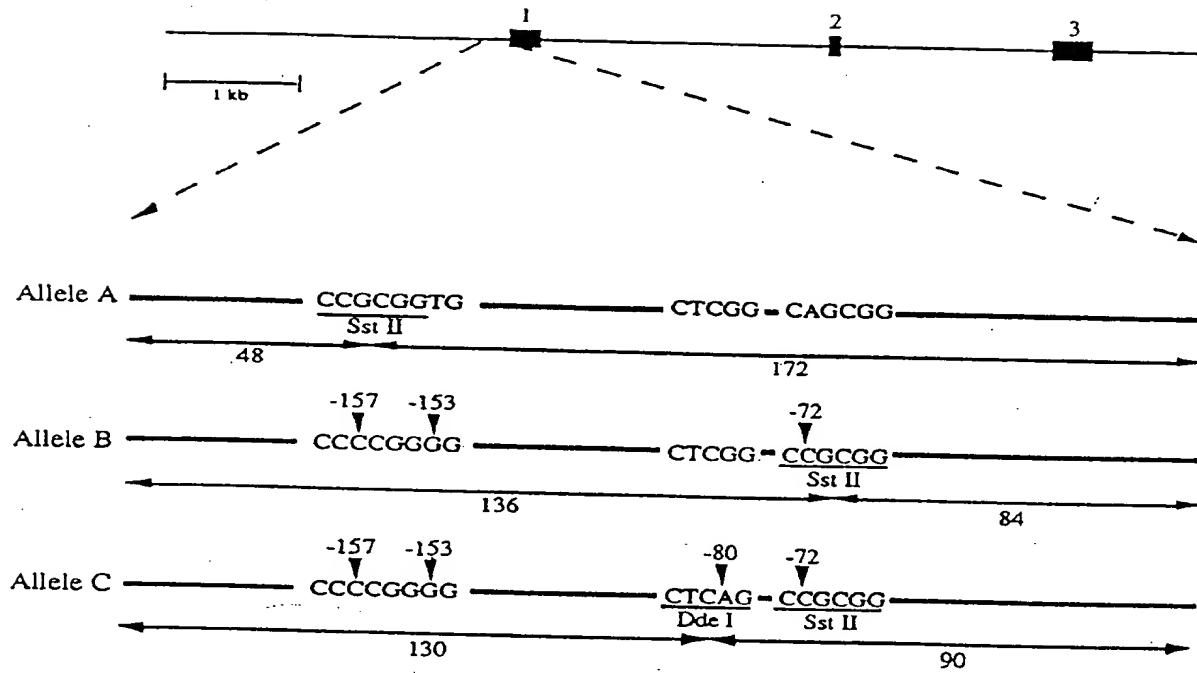


Figure 3

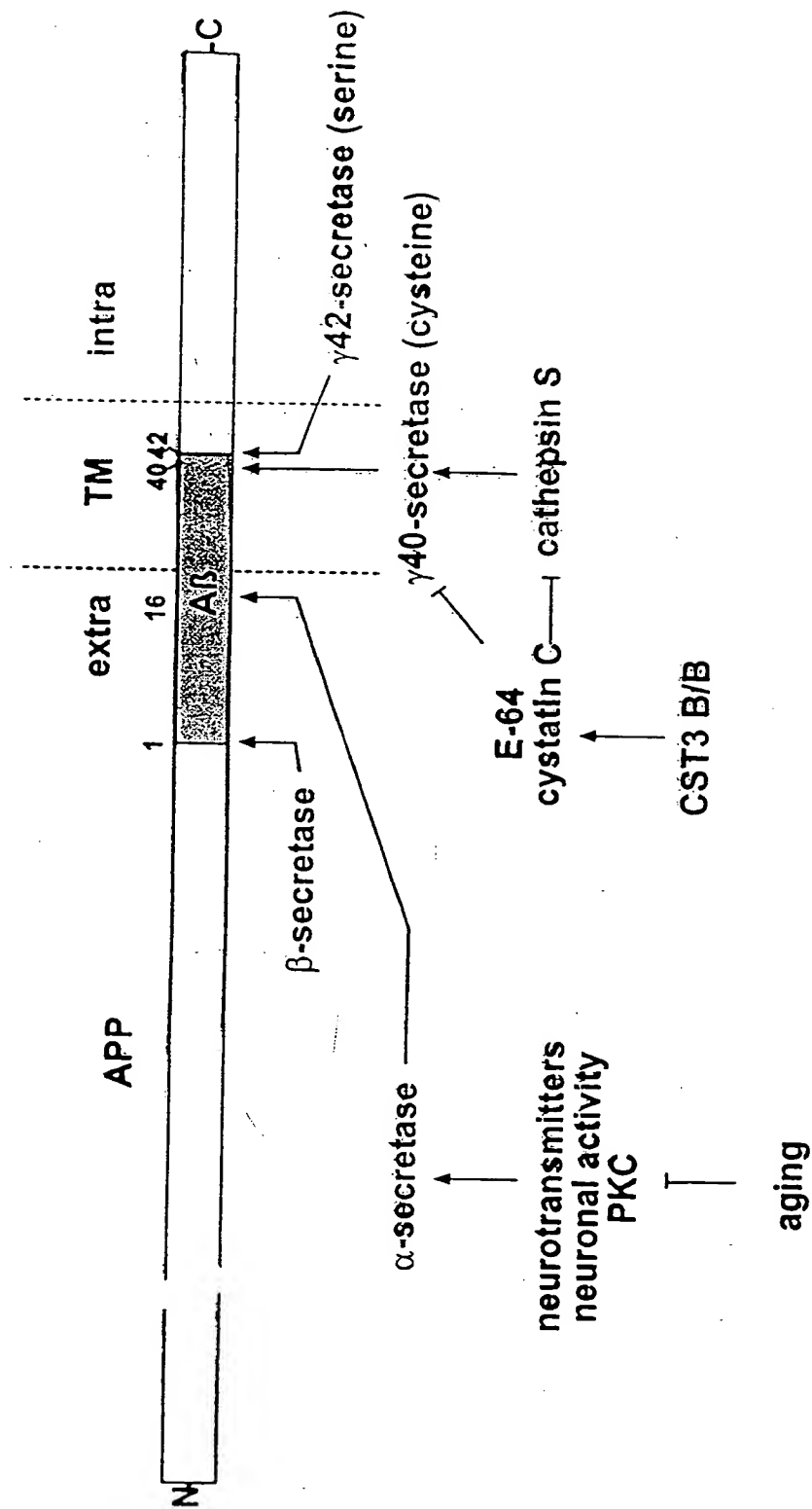


Figure 4

TABLE 1.

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	ELISA		Western	
	N	($\mu\text{g/ml}$)	N	(rel. O.D.)
AD	53	11.25 ± 4.43	53	3.72 ± 3.39
Controls combined	47	7.36 ± 3.29	56	1.70 ± 1.4
non-AD neurol. controls	30	7.95 ± 3.18	39	1.94 ± 1.4
Healthy controls	14	6.31 ± 3.3	17	1.03 ± 1.16

P-value

(rel. O.D.)

N

P-value

(μg/ml)

N

TABLE 2

Diagnosis	n	Mean \pm SD (μ g/ml)	ANOVA vs. NC	ANOVA vs. AD
Alzheimer's disease (AD)	57	11.0 \pm 1.20	p<0.0005	
non-AD controls combined	41	7.56 \pm 1.00	n.s.	p<0.002
Healthy controls	17	6.31 \pm 0.70		n.s.
Non-AD neurodegeneration	13	8.49 \pm 3.30		
Infectious CSN diseases	10	6.22 \pm 3.20		
Multiple sclerosis	3	5.11 \pm 0.08		
Epilepsy	4	7.01 \pm 3.32		
Psychosis	5	7.92 \pm 1.81		

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TABLE 3

	N	<i>CST3</i> B allele	<i>CST3</i> B/B
Control	145	0.169	0.025
AD	69	0.254	0.101
		$P=0.036$	$P=0.0141$

age-corrected	N	<i>CST3</i> B allele	<i>CST3</i> B/B
Control	96	0.161	0.0104
AD	69	0.254	0.101
		$P=0.028$	$P=0.00976$

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TABLE 4

	allele	odds ratio	95% CI	P
	<i>CST3</i> B/B	5.34	(1.34, 21.35)	0.009
age-corrected	<i>CST3</i> B/B	10.7	(1.28, 89.3)	0.0074
	<i>ApoE</i> ϵ 4	3.43	(1.75, 6.77)	0.0003
	<i>CST3</i> B/B <i>ApoE</i> ϵ 4 combined	4.54	(2.25, 9.15)	0.00001
	<i>A2M</i> G/G	1.37	(0.691, 2.73)	0.36
	<i>CST3</i> B/B <i>A2M</i> G/G combined	2.57	(1.64, 6.34)	0.037

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Table 5

<i>CST 3</i>	N	ELISA ($\mu\text{g/ml}$)
AA	31	9.8 ± 4.4
AB	19	8.1 ± 3.3
B/B	5	13.5 ± 6.0
		$P = 0.032$

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Table 6

<i>Apo E</i>	N	ELISA ($\mu\text{g/ml}$)
ϵ 3/3	19	9.5 ± 4.4
ϵ 3/4	20	10.0 ± 4.1
ϵ 4/4	7	10.3 ± 5.7
		n.s.

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